

SUMMER SESSION, 1914

BULLETIN

WEST TENNESSEE STATE NORMAL SCHOOL

VOL. 3.

NO. 1.

ANNOUNCEMENT

Memphis, Tennessee

PUBLISHED BY AUTHORITY
OF THE
STATE BOARD OF EDUCATION

MARCH, 1914.

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Pontotoc & Mulberry, Memphis, Tenn.

SUMMER SESSION, 1914

BULLETIN

West Tennessee State Normal School

MEMPHIS

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VOL. 3.

MARCH, 1914.

No. 1

ANNOUNCEMENT OF SUMMER SCHOOL.

SECOND SUMMER SESSION.

The second Summer Session of the West Tennessee State Normal School will open Monday, June 8, 1914, at 8 A.M., and continue six weeks, closing July 17. The purpose of the Summer School is to give to teachers, especially those of West Tennessee, the opportunity for study and improvement during the vacation period. The work will be arranged so that teachers can add to their scholarship and professional equipment by taking regular or review courses. The Summer Session will also give opportunity to ambitious students to earn additional credits on regular courses, thus shortening the time required for certification; and to students who have failed to do satisfactorily the work in any term to overcome their deficiencies and continue their studies.

The success of the first Summer Session in 1913 exceeded the expectations of the school authorities, and they are determined that the coming session shall offer greater opportunities to teachers and shall reach an even higher measure of success.

With the experience of the past summer, with a fuller appreciation of the desires and needs of the teachers of this section, the Normal School will offer the most attractive courses of study and will make arrangements for the comfort and convenience of all who attend.

ADVANTAGES OF THE SUMMER SCHOOL.

The complete facilities of the Normal School are offered to all who attend, without tuition charges, except that a fee of

\$10.00 for the Summer Session is charged to persons not residents of Tennessee. Among the facilities are:

1. A superior faculty of trained men and women, specialists in educational work and deeply interested in the teachers and schools of the State.
2. Well organized departments of Education, English, History, Mathematics, Ancient Languages, Modern Languages, Physics, Chemistry, Biology, Geography, Agriculture, Home Economics, Manual Training, Drawing, Music and Commercial Branches.
3. Modern and well-equipped laboratories in Chemistry, Physics, Biology, Agriculture and Home Economics.
4. Special courses in Cooking, Sewing, Manual Training, Drawing, Commercial Branches, School Music, and School and Home Sanitation.

This bulletin is being sent to all teachers in West Tennessee whose names and addresses the Normal School has been able to secure. They are asked to carefully examine the course of study, to consider the advantages which the school has to offer—contrasting them with courses and opportunities offered elsewhere—and if they discover that here in their own section their educational needs can be met, to register with us and endeavor to induce others to do likewise to the end that the advantages of the West Tennessee Normal School may be enjoyed by the largest possible number of teachers of West Tennessee.

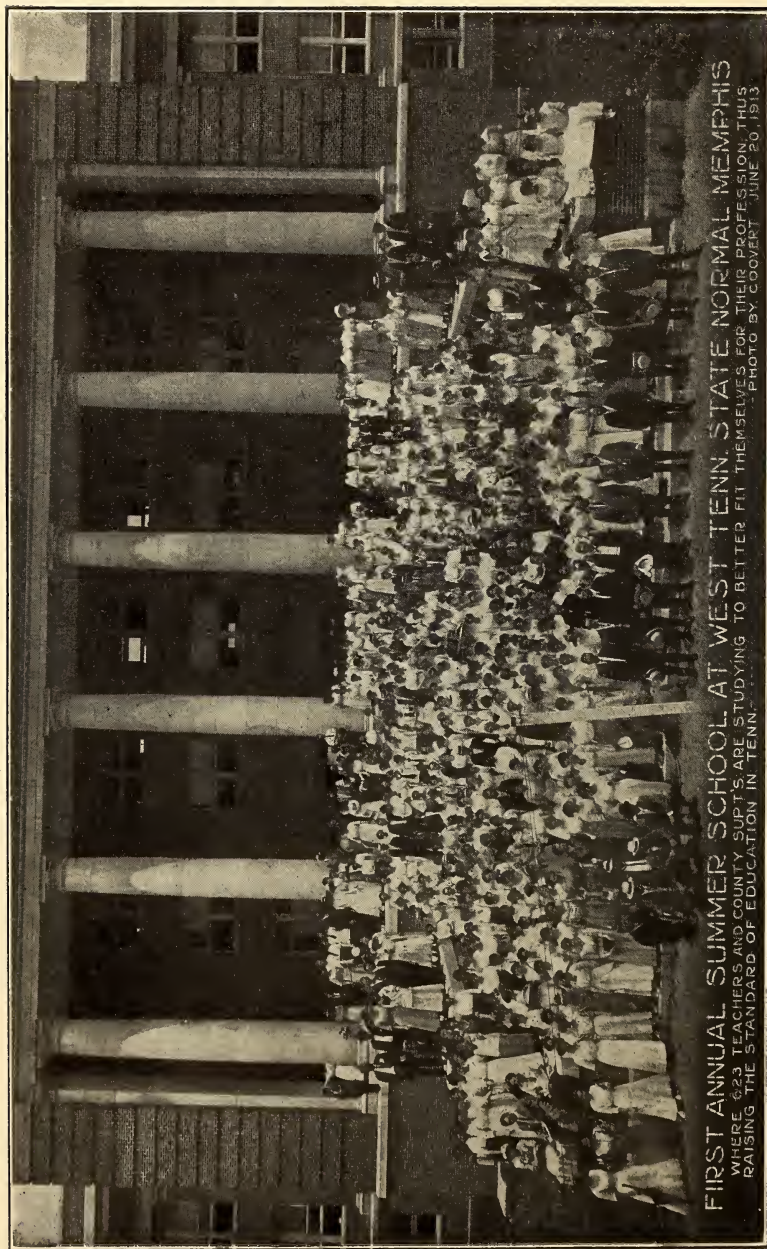
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FIRST ANNUAL SUMMER SCHOOL AT WEST TENN. STATE NORMAL, MEMPHIS
WHERE 323 TEACHERS AND COUNTY SPTS. ARE STUDYING TO BETTER FIT THEMSELVES FOR THEIR PROFESSION, THUS
RAISING THE STANDARD OF EDUCATION IN TENN.
PHOTO BY COOPER, JUNE 20, 1913

COUNTY SUPERINTENDENTS.

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Crockett	T. E. Lowery.....	Alamo
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Hardin	C. A. Lowe.....	Savannah
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Henry	Joe Routon.....	Paris
Lake	R. C. Donaldson.....	Tiptonville
Lauderdale	G. G. McLeod.....	Ripley
McNairy	Aaron Brooks.....	Selmer
Madison	W. A. Malone.....	Jackson
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Weakley	Syl Fisher.....	Sharon

CITY SUPERINTENDENTS OR PRINCIPALS.

WEST TENNESSEE.

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Jackson	R. L. Bynum	Union City	A. C. Nute
Lexington	J. O. Brown		

FACULTY.

JOHN WILLARD BRISTER, A.M. *President*

A.B., Peabody College for Teachers, University of Nashville, 1892; A.M., *Ibid.*, 1893; Graduate Student, University of Chicago, 1896-7 and 1903; Instructor in History and Mathematics, Montgomery Bell Academy, Nashville, 1890-96, 1897, 1903; Professor of Mathematics, Peabody College, University of Nashville, 1903-11; State Superintendent of Public Instruction of Tennessee, 1911-13.

THOMAS BILLINGSLEY LOGGINS, A.M. *Dean Mathematics*

A.B., Glasgow Normal School; A.M., National Normal University; Teacher Higher Mathematics, Edgewood Normal School, 1886-89; President Dickson College, 1889-1911.

WILLIAM E. VAUGHAN, A.M. *English*

Peabody College, 1900; Master's Diploma in Education, Teachers' College, New York, 1911; A.M., Columbia University, 1911; Graduate Student, Vanderbilt University, 1900; University of Chicago, Summer, 1901; Teachers' College and Columbia University, 1910-12; Graduate Scholarship, Teachers' College, 1911; Superintendent City Schools, Missouri, 1893-97; Associate Professor of English, Missouri State Normal School, 1905-11.

WILLIE C. JOHNSON, A.B. *Latin*

A.B., Vassar College, 1895; Teacher in Higbee School, 1895-96; St. Mary's School, 1902-08; Studied in Europe, 1908-09; Teacher of Latin, Memphis High School, 1896-1902, and 1909-12; Student of Classical Studies in Rome, 1910.

PRIESTLY HARTWELL MANNING, A.M. *Physics and Physiography*

Graduate Peabody Normal College, 1882; Instructor Montgomery Bell Academy, 1882-1903; A.B., University of Nashville, 1901; A.M., *Ibid.*, 1901; Student in Summer School of Harvard University four summers; Graduate Student University of Chicago, two and one-half years, at intervals; Professor of Physics and Geology, University of Nashville, Peabody College, 1903-11.

VASSAR SULLIVAN BRIGHT, B.S.A. *Agriculture*

B.S.A., University of Tennessee, 1907; Teacher in Rural Schools, 1898-1902; Student-Assistant in Horticulture, University of Tennessee, 1904-07; Teacher of Agriculture, Science and Mathematics, Hamilton County High Schols, 1907-10; Teacher of Agriculture and Science, Grove High School, 1910-12.

HELEN BUQUO, B.S. *Home Economics*

A.B., Cumberland University, 1898; Student Cincinnati Art Academy, 1900-03; Private Teacher, 1904-07; Student Home Economics Department, University of Tennessee, 1907-08; Assistant in Domestic Science, Summer School of the South, 1908; B.S., Columbia University and Teachers' College Diploma, 1912.

CALEB PERRY PATTERSON, A.M. *History*

Principal of Schools, Hardin and Henderson Counties, 1901-08; County Superintendent Henderson County, 1904-06; Assistant in English, Peabody College, Summer Term, 1908; President West Tennessee College, 1910-11; A.B. and A.M., Vanderbilt University, 1911; Instructor in Literature, Vanderbilt University, 1910-11; Graduate Student, University of Chicago, 1911-12.

HANOR A. WEBB, A.M. *Chemistry*

A.B., University of Nashville, 1908; A.M., University of Chicago, 1911; Assistant in Chemistry, University of Nashville, 1906-08; Assistant in Chemistry, University of Chicago, 1910-11; Senior Assistant in Charge of General Chemistry and Elementary Organic Laboratories, University of Chicago, 1911-12.

JOHN MADISON WATTERS, B. S. *Commercial Department*

M.A. and B.S., Union University; Bowling Green Business College; Bennett Institute, Philadelphia; Gregg School of Chicago; Teacher in High Schols and Colleges in Tennessee and Florida; Instructor in Bowling Green Business College; Principal Commercial Department, Hall-Moody Institute.

CLYDE HUBERT WILSON, A.B., *Manual Training and Director of Athletics,*

Graduate Hickman College, Hickman, Ky.; A.B., Miami University, Oxford, Ohio; Graduate of Manual Arts Department, Ohio State Normal College, Oxford; for two years Head of Manual Arts Department and Director of Athletics in Eastern Kentucky State Normal School, Richmond.

MARY PETTUS THOMAS, A.M. *Modern Languages*

A.M., Baylor College, 1899; Instructor in French, German and Spanish, Brownsville Female College, 1891-96; Professor Modern Languages, Baylor College, Texas, 1899-1912; 1900-10, Student in France, Germany, Italy and Spain.

ARTHUR WALLERSTEIN *School Music*

Holy Cross College, Dresden; Graduate Royal Conservatory of Music, Dresden, Germany, and Royal Conservatory of Music, Berlin, Germany; Instructor London Organ School, London, England; Northumberland College of Music, England; Director of Orchestras, Hull, England, College of Music; Instructor Teachers' Course, Normal Department, Northwestern Conservatory of Music; Conductor Memphis Symphony Orchestra.

MARY ELIZABETH HERRON *Assistant in Education*

Prescott High School, 1895; Chicago Summer School, 1900; Summer School of the South, 1908; Teacher in Prescott High School, 1895-1902; Primary Teacher Memphis Schools, 1902-12.

- ELEANOR BONNER, A.B. *Assistant in English*
 A.B., Stanton College, 1904; Student Peabody College for Teachers, 1905; Principal Eau Gallie, Fla., High School, 1905-06; Teacher, Nashville Public Schools, 1906-12; Special Student, University of Chicago, 1907; Student Teachers' College, Columbia University, 1912-13.
- HEBER BRYCE CUMMINGS, B.A. *Assistant in Education*
 B.S., West Tennessee Christian College, 1906; B.A., Valparaiso University, 1910-11; Pg.B., Valparaiso University, 1912; B.A., Yale University, 1913; Principal High School, Trenton, Tenn., 1908-09.
- LILLIAN DODD, B.S. *Assistant in Home Economics*
 A.B., University of Tennessee, 1905; B.S., Teachers' College, Columbia University, 1910; Teacher of Domestic Science in Tyner High School, Hamilton County, Tenn., 1910-11; Teachers' College, Columbia University, 1913.
- CHARL ORMOND WILLIAMS *Assistant in Mathematics*
 Teacher in Rural Schols; Principal Bartlett Secondary School, 1905-06; Principal Germantown High School, 1906-12; Chautauqua, N. Y., Summer School, 1905-06-10-12; University of Colorado Summer School, 1909.
- ADELINE BARTLETT, M.A. *Assistant in English*
 B.A. and M.A., Vanderbilt University, 1910; Instructor in Shelby County High School, 1911-12; Instructor in Ocala, Fla., High School, 1912-13.
- MARIE McCORMACK *Drawing and Writing*
 Student Peabody College for Teachers, 1910-11; Teachers' Diploma in Penmanship, Palmer's Business College; Instructor in Memphis Public Schools, 1911-13.
- ALBERT TENNYSON BARRETT,* A.M., LL.D. *Education*
 Dean Union University, Jckson, Tenn.
- ELRADO L. HALL *Instructor in History*
 VERMONTA WILSON *Instructor in Ancient Languages*
 JOSEPH A. COTTON *Bursar*
 LIZZIE NORMENT *Matron*
 MRS. SARAH PERKINS *Housekeeper*
 R. B. CASH *Superintendent of Grounds and Buildings*

* Summer Term, 1914.

GENERAL INFORMATION.

ROOMS AND BOARD.

The Normal School can take care of 240 young women in the Women's Dormitory, and at least 100 more in comfortable rooms in the main building and in rented houses close to the campus.

Accommodations for 50 young men can be provided in Prescott Flats, just off the campus, and 50 more can be taken care of in Messick School, which is within ten or fifteen minutes' walk of the Normal School.

In addition to these boarding arrangements directly under the control of the school authorities, homes can be secured for a large number of students in private families within five to twenty minutes' walk of the campus.

Rooms will be reserved in the order of their application. Those who write first will be given places in the school dormitories and those writing later will be assigned to rooms in the main building or to private families. A deposit fee of \$3.00 is required of all who make reservations for the Summer Session, and no reservation will be made without this deposit. The \$3.00 will be credited on the total expenses of the summer and will be refunded if notice of inability to come is given the school authorities within ten days of the opening of the Summer Session. Rooms thus reserved will be held until Wednesday, June 10, and will then be let to other parties unless notification comes from original applicants that they are coming at a later date.

It is very important that those who expect to attend the Summer Term should write the President and reserve rooms as soon as it is definitely determined to attend. Arrangements will be made for all who come, but choice of rooms will be accorded to those who make the first application. The rooms in the dormitory are more convenient, and those under the control of the school are more economical; hence the importance of early reservations.

ROOMS IN DORMITORY WILL BE READY FOR OCCUPANCY BY STUDENTS OF SUMMER SESSION NOT EARLIER THAN SATURDAY, JUNE 6, 3 P.M.

EXPENSES OF THE SUMMER TERM.

The total expenses of the Summer Session of six weeks for Tennessee students who secure rooms in the school dormitories will amount to \$22.00, as follows:

Board	\$17.00
Room Rent	3.00
Registration	2.00

Total\$22.00

Students not residents of Tennessee will be charged \$10.00 tuition.

ALL FEES MUST BE PAID ON ENTRANCE.

Homes in private families, including lodging and two meals a day, can be secured for \$20 to \$30, and lunch can be secured at the school dining hall or restaurants near the school for twenty or twenty-five cents.

WHAT STUDENTS FURNISH.

All heavy furniture needed in the rooms of the dormitory are furnished by the school. Single beds are used almost exclusively. Students furnish their own pillows, bed linen, bed cover, towels, etc.

REDUCED RAILROAD RATES.

Application has been made for reduced railroad rates, and it is very probable that they will be granted. Tickets will be on sale June 6, 7 and 8 and June 14 and 15. If railroad agents where tickets are purchased have no instruction as to rates, purchasers should take certificate-receipts in order to secure the benefit of reduction on return tickets.

ENTERTAINMENTS.

As will be noticed under separate heading, we have arranged for a series of performance of the Coburn Shakespearean Players. In addition to this, there will be a large number of special entertainments and lectures. The libraries of Memphis have been thrown open for the use of our students, and every facility will be given for research and investigation.

The manufacturing and business enterprises invite the students to go through their establishments and witness their methods of operation. This, in itself, would be a great education to the visiting teacher.

A series of excursions to the parks and interesting points about Memphis has been planned so as not to interfere with the regular work of the school.

The Business Men's Club last summer complimented the entire school with a most delightful river trip. We are assured by the Secretary of that organization that they are planning to do something equally as good for the enjoyment of the students again this summer and we can count on the most hospitable entertainment at their hands.

COBURN PLAYERS.

The Normal School is glad to announce that all arrangements have been made for the second annual appearance of the Coburn Outdoor Players for three performances on the Normal School Campus the evening of June 19 and matinee and evening June 20. These players need no introduction to the Normal School or to Memphis playgoers, for their appearance here last summer was an artistic and dramatic triumph. It is hoped to make these outdoor plays an annual feature of the Summer Session of the Normal School.

The literary clubs of Memphis are again co-operating with the Normal School in bringing this Shakespearean company here. The three plays chosen for this summer are "Hamlet," "As You Like It," and Percy Mackaye's great production, "Joan of Arc," written for and produced by Maud Adams and company on the Harvard Campus two seasons ago.

The Coburn Players Company is made up of thirty metropolitan actors drawn from the leading Broadway productions.

MAMMOTH CAVE TRIP.

The Louisville & Nashville Railroad has arranged a special excursion at very cheap rates to the famous Mammoth Cave of Kentucky for the students of the Summer School.

It is planned to leave Memphis Friday morning, July 3, and return Saturday evening. Both the long and short trips in the Cave will be made, one Friday night, the other Saturday morning.

The entire cost of the trip, including railroad fare, meals, lodging Friday night, and entrance to the Cave for the two trips, will be only \$12.00.

This excursion has been arranged expressly for the Normal School, as it is believed that many teachers would appreciate the opportunity of a visit to the greatest natural wonder in our section of country.

The party will be chaperoned by members of the Normal School Faculty.

TERMS OF ADMISSION.

Statutory Provisions.—Under the provisions of the law establishing the State Normal School, all white males or females resident in the State of Tennessee and not under sixteen years of age are eligible for admission, provided they shall pledge themselves to teach in the schools of the State, within six years after leaving the school, for as long a time as they shall have attended the school.

Health.—No applicant will be admitted who cannot furnish evidence of being physically sound, free from contagious or infectious disease, and from chronic defects that would prevent satisfactory work as a student or militate against success as a teacher.

Character.—Every applicant for admission must present a certificate of good moral character signed by a responsible person. The State is under obligation for the professional training of no person that is not qualified to exert a wholesome spiritual influence upon the lives of children.

Scholastic Requirements.—For admission to the Academic Course the applicant must have completed the elementary school course. For admission to the Normal Course, graduation from an accredited high school of the first class, or equivalent scholarship, is required. Work done in an approved high school or college will be accredited for advanced standing, but the certificate or diploma of the State Normal School will not be awarded for less than one year's resident work.

Fees.—Tuition is entirely free to all students resident in Tennessee. Students not resident in Tennessee are required to pay a tuition fee of \$10.00 for the Summer Session. The registration fee of \$2.00 is payable by all students. All fees must be paid before matriculation.

COURSES OF STUDY.

The State Normal School offers two regular courses, as follows:

1. The Academic Course of four years of thirty-six weeks each. This course is to prepare teachers for the elementary schools, and for admission to it, the applicant must have finished at least the elementary course prescribed for the public schools of the State.

At the completion of the course the student is given a certificate, which is accepted as a license to teach in the elementary public schools of any county in Tennessee without examination, or which will admit to the Normal Course in any of the State Normal Schools.

2. The Normal Course of two years of thirty-six weeks each. This course is to prepare teachers for the public schools of the State, and for admission to it the applicant must have finished

the course prescribed for the certified county high schools of the first class, or for city high schools requiring four years for graduation and approved by the State High School Inspector; the Academic Course of any of the State Normal Schools, or some course requiring equivalent scholarship, to be determined by examination.

The completion of the Normal Course entitles the student to a diploma, which is a life certificate of qualification to teach in any of the public schools of the State except High Schools of the first class, under the regulations mentioned below.

NORMAL SCHOOL CERTIFICATES.

Chapter 40 of the Acts of 1913, which provides for the Uniform Examination and Certification of Teachers, states:

"Professional certificates shall be issued by the State Superintendent of Public Instruction, as follows:

1. An elementary certificate of the first grade to the applicant who has completed the Academic Course of the State Normal Schools.

2. A certificate good in all schools except high schools of the first class to the applicant who has completed the Normal Course of the State Normal Schools.

It also provides that—

"All certificates granted by the State Superintendent of Public Instruction on diplomas or degrees from institutions of learning shall be good in any county of the State;" and further that—

"The State Superintendent of Public Instruction shall, with the help of the State Board of Examiners, prepare and announce courses of study for persons holding the elementary certificate of the first grade and for persons holding the high school certificate of the first grade, such courses to cover the principal subjects named in the certificates; and any person who completes either of these courses and passes the required examination upon the subjects contained in it shall be granted a permanent certificate of the same class and grade; but permanent certificates shall be revoked if the holders shall discontinue school work for more than three successive years, and if they fail to attend institutes and do the work of the Reading Circle, or meet other requirements as prescribed by the State Superintendent of Public Instruction and the State Board of Education."

RENEWAL OF CERTIFICATES.

The State Superintendent of Public Instruction, Hon. S. H. Thompson, authorizes the following announcement:

Teachers who hold certificates for the school year ending June 30, 1914, and who have been teaching on them during the current

school year, and teachers actively engaged in teaching in towns of 7,500 or less population who under the old law are not required to hold county certificates, may have their certificates or teaching licenses renewed, provided they attend the Summer Session of the State Normal School or State University in 1914 and take three regular courses, making passing grades thereon, and receiving the recommendation of the President of the School. These teachers will not be required to take the examination on the Reading Circle books, the courses in the State Schools being accepted as a substitute therefor.

STATE CERTIFICATES.

For the convenience and information of teachers we reproduce the following from a circular of information issued by the State Superintendent of Public Instruction:

“Two classes of certificates are recognized in Tennessee, elementary and high school certificates. Examinations for certificates will be held—the first on May 14 and 15, 1914, the second on July 16 and 17, 1914. These examinations will be held at the county seat in each county, at each of the State Normal Schools and at the Summer School of the South, University of Tennessee.”

Full information concerning the subjects of examination and the fees prescribed can be obtained by writing to the State Superintendent of Public Instruction, Nashville, Tenn.

DETAILED STATEMENT
OF
COURSE OF STUDY FOR THE SUMMER SCHOOL.
GENERAL INFORMATION.

In arranging the Course of Study for the Summer Session of the West Tennessee State Normal School the Faculty has kept in mind particularly that class of students who desire to do a serious grade of school work for six weeks, work for which they will receive full credit, not only on certificates, but for graduation from the full course at the School. It will be observed that a majority of the courses to be given are the regular courses offered by the school during the other school terms. These classes will cover in six weeks, by reciting double periods, what is covered in the regular terms in twelve weeks. Reviews will also be offered in the common school subjects, review recitations being single periods, five days a week.

CREDITS.

The maximum number of credits which a student may secure during the Summer Session is ten, and students should arrange their courses so as to secure the maximum. Two regular double period courses of Academic Work and one review course, or two double period courses of Normal School work and two review courses, or three double period courses of Normal School work are suggested as satisfactory schedules and as entitling the student to the maximum or approximately the maximum number of credits permitted.

The full quarter's credit will be given for the double period classes. Not more than two credits will be allowed for a review course, and no credit will be given for Reading Circle work. As stated above, the maximum number of credits which a student may secure during the Summer Session is ten, and no student will be allowed to register for more, except by consent of the Committee on Credits.

Students are not permitted to visit classes in which they are not regularly enrolled, except upon presentation of card issued by the President or Dean, and no card will be issued for visiting the same class more than once. Certificates of attendance will not be issued nor will credit be given to those not completing the entire term's work and taking the final examinations.

It is the purpose of this institution to make the Summer Session a real school and to discourage rapid reviews, "cramming," and any other superficial, learn-quick processes.

DEPARTMENT OF EDUCATION.

PRESIDENT BRISTER, MR. CUMMINGS, DR. BARRETT, MISS HERRON,
MR. WEBB AND MR. WILSON.

EDUCATION III. c.—*School Management.* DR. BARRETT.

Text: Dutton's School Management. This course will include a study of the fundamental problems of school management, the philosophy of discipline, the recitation, school buildings and grounds, school government, etc.

Third year Academic rank.

Four double periods a week—three credits.

Room 51. 10:15 A.M.

EDUCATION III. a.—*Elementary Psychology.* MR. WEBB.

Text: Halleck's Psychology and Psychic Culture. This course will take up in order the following topics: a rapid review of the physiology of the nervous system; sensation; consciousness and attention; perception, memory and thought; feeling and emotion; the will.

The fundamental laws of these mental processes will be discussed and their pedagogical aspects considered. As far as time will permit, illustrative laboratory experiments will be carried out.

Third year Academic rank.

Five double periods a week—four credits.

Room 5. 10:30 A.M.

EDUCATION Jr. c.—*General Psychology.* MR. CUMMINGS.

Text: Titchener's A Primer of Psychology. This course is a continuation of the first term's work in general psychology as given in the catalog number of the bulletin. The following topics will be considered: the higher emotions; complex action; abnormal psychology. Problems relating to the abnormal child as found in the school room will be discussed. The characteristics of dream-consciousness, the phenomena of suggestion (hypnotism, telepathy, mental therapy, etc.), and the various forms of insanity will be carefully studied, making free use of reference works.

Junior Normal rank.

Four double periods a week—three credits.

Room 45. 10:15 A.M.

EDUCATION Sr. a.—*Educational Psychology.* DR. BARRETT.

Text: Calvin & Bagley's Human Behavior. A consultation course on the principles and methods of study; the various factors involved in proper study; application of psychological laws to school room instruction. The course will deal in a general way with many of the topics discussed specifically in

child study, school management and general psychology. These subjects are pre-requisites.

Senior Normal rank.

Four double periods a week—three credits.

Room 45. 2:30 P.M.

EDUCATION Jr. b.—*History of Education.* MR. CUMMINGS.

Text; Kemp's History of Education. In this course the methods and theories of education from the twelfth century to the present time are studied. The rise of universities, the renaissance, the reformation and the counter-reformation are studied from the educational point of view. The lives of the leading educators of the seventeenth, eighteenth and nineteenth centuries are reviewed, and special attention is paid to whatever permanent influence their writings and work have had on educational thought and practice.

Junior Normal rank.

Four double periods a week—three credits.

Room 45. 8:00 A.M.

EDUCATION IV. ab.—*Primary Methods.* MISS HERRON.

Reading, eclectic method. Practical plans for daily lessons, script and print. Supplementary reading. Principles and methods in composition. Arithmetic through constructive measuring; number work with measures, linear, surface and solid. Spelling, writing. How to use active instincts of child. Two sections.

Fourth year Academic rank.

Five double periods a week—four credits.

Room 33. 10:15 A.M., and Room 20. 8:00 A.M.

EDUCATION SENIOR. ab.—*Child Study.* DR. BARRETT.

Text: Kirkpatrick's Fundamentals of Child Study. This course is a study of the instincts and other factors in human development and their application to the work of the school. It will discuss the skillful direction of play, imitation and the collective and constructive instincts.

Senior Normal rank.

Five double periods a week—four credits.

Room 45. 1:30 A.M.

EDUCATION—*Story Telling, Songs and Games.* MISS HERRON.

Reference Texts: How to Tell Stories to Children, Sara Cone Bryant; Stories—What to Tell and How to Tell It, Lyman; For the Story Teller, Carolyn Sherwin Bailey. In this course a study is made of literature appropriate for children of primary grades with discussion of the principles underlying the selection and presentation of stories to children. Classification is made with regard to sources and stories adapted to

various ages and purposes. The opportunity for individual presentation of stories is provided for.

Songs and Plays—Simple songs and plays will be given and discussion of their value as a vitalizing influence in the school room. The relation between activity and mental development and the appeal which songs and plays make to the active instincts of childhood will be among the subjects discussed.

Four single periods a week—two for stories and two for games and plays.

Room 33. 9:15 A.M.

READING CIRCLE COURSES.

MR. WILSON.

Courses will be conducted during the Summer Session in the texts prescribed by Superintendent of Public Instruction for Reading Circle work for the current year.

Texts—For elementary teachers:

Carney's Country School and Country Life.

Carver's Rural Economics.

Chapel, 7:30 A.M.

For high school teachers:

Hollister's High School Administration.

Holmes' The Conservation of the Child.

Room 20. 9:15 A.M.

DEPARTMENT OF ENGLISH.

PROFESSOR VAUGHAN, MISS BONNER, MISS BARTLETT.

NOTE: Students are urged to bring as many reference books and classics as possible.

ENGLISH I.—*English Grammar.*

PROF. VAUGHAN AND MISS BONNER.

Text: Scott & Southworth's Grammar. A thorough review of parts of speech. Stress will be placed on inflection and its application to everyday English. Special drill in sentence analysis. Two sections.

First year Academic rank.

Five single periods a week—two credits.

Room 51. 1:45 P.M., and Room 47. 11:30 A.M.

ENGLISH I.—*Rural School Literature.*

PROF. VAUGHAN AND MISS BARTLETT.

Text: Curry's Literary Readings. This course is designed particularly for teachers of rural schools, and the work will be based upon selections studied in the upper grammar grades. Especially recommended to those who have never taught.

First year Academic rank.

Five single periods a week—two credits.

Room 49. 11:30 A.M.

ENGLISH III. a.—*Rhetoric: Narration and Description.*

MISS BONNER.

Text: Brooks's English Composition and Scott and Denny's Composition-Rhetoric. The time will be equally divided between literature and rhetoric. Both this course and the next are recommended for those preparing to take examinations for high school certificates in English. The selections studied will be chosen from the Readings of the College Entrance Requirements in English. Weekly themes.

Third year Academic rank.

Five double periods a week—four credits.

Room 47. 2:30 P.M.

ENGLISH III. b.—*Rhetoric: Exposition and Argumentation.*

MISS BARTLETT.

Text: Brooks's English Composition and Scott and Denny's Composition-Rhetoric. This course is similar to the preceding course, except the selections studied and the rhetorical work will be expository and argumentative in character. Selections will be chosen from College Entrance Requirements in English.

Fourth year Academic rank.

Five double periods a week—four credits.

Room 49. 8:00 A.M.

ENGLISH JUNIOR.—*Teaching of Elementary English.*

MISS BONNER.

Text: McMurray's Special Method in Language and Chubb's Teaching of Elementary English. Special emphasis will be given in this course to the methods of teaching literature, language, composition, and grammar in the grades. Lesson plans will be required on literary selections in all the elementary grades.

Junior Normal rank.

Four double periods a week—three credits.

Room 47. 10:15 A.M.

ENGLISH JUNIOR.—*Teachers' Grammar.*

PROF. VAUGHAN.

A library course in the teaching of elementary and high school English grammar. Special emphasis will be given to the history of the English language. Open to high school graduates and those holding first grade county certificates.

Junior Normal rank.

Five single periods a week—two credits.

Room 51. 9:15 A.M.

ENGLISH SENIOR.—*American Prose.*

MISS BARTLETT.

Text: Halleck's American Literature. This course corresponds to the first quarter of Senior English. Irving's

"Knickerbocker's History of New York," Thoreau's "Walden," Brockden Brown's "Wieland," Emerson's "Representative Men," Hawthorne's "Marble Faun," Poe's "Essays and Tales," and Simms's "Yemassee" will be read as types of the style and historical literary importance of the authors. Open to graduates of first class high schools.

Senior Normal rank.

Four double periods a week—three credits.

Room 49. 10:15 A.M.

ENGLISH SENIOR.—*Teaching of High School English.*

PROF. VAUGHAN.

Text: Carpenter, Baker and Scott's Teaching of English, and Chubb's Teaching of English. About eight of the high school classics will be taught with special reference to methods and correlated composition and rhetoric. Several lectures will be given on the status of teaching English. Students contemplating taking this course should provide themselves with most of the classics usually taught in high schools. Open to high school graduates or students of Junior Normal School rank.

Senior Normal rank.

Four double periods a week—three credits.

Room 51. 11:30 A.M.

DEPARTMENT OF MATHEMATICS.

PROF. LOGGINS, MISS WILLIAMS, MR. CUMMINGS.

MATHEMATICS I.—*Arithmetic.* Three Sections.

MISS WILLIAMS.

Text: New State adopted text. Ample provision will be made for the large number who will desire to review arithmetic. The work will include a study of the more important topics of arithmetic and will be presented in a manner that will be most helpful to teachers of arithmetic in the public schools. Farm arithmetic will receive attention.

First year Academic rank.

Five single periods a week—two credits.

Room 20. 1:00, 1:45, 2:30 P.M.

MATHEMATICS II. a.—*Algebra.*

MISS WILLIAMS.

Text: Milne's Standard. A course for beginners and for those who desire a review including the fundamental operations, factoring, and simple equations.

Second year Academic rank.

Five single periods a week—two credits.

Room 20. 11:30 A.M.

MATHEMATICS II. b.—*Algebra*.

PROF. LOGGINS.

Text: Milne's Standard. A more advanced course in High School Algebra, beginning with radicals and reviewing the remainder of the book. Radicals, quadratics, theory of exponents, graphs, uses of logarithms, progressions, and other advanced topics will be treated.

Second year Academic rank.

Five double periods a week—four credits.

Room 41. 8:00 A.M.

MATHEMATICS III. a.—*Plane Geometry*. MR. CUMMINGS.

Text: Wentworth-Smith. A course in geometry covering the first three books will be given. Special effort will be made to make geometry more interesting and more intelligible to the average student.

Third year Academic rank.

Five double periods a week—four credits.

Room 45. 1:00 P.M.

MATHEMATICS JUNIOR. a.—*College Algebra*. PROF. LOGGINS.

Text: Hawke's Advanced. A course will be offered in the first term's work in College Algebra. Pupils who have had High School Algebra and Geometry will find this a valuable drill.

Junior Normal rank.

Four double periods a week—three credits.

Room 41. 10:15 A.M.

DEPARTMENT OF HISTORY.

PROF. PATTERSON, MR. HALL.

HISTORY OF UNITED STATES.—*Review Course*.

PROF. PATTERSON AND MR. HALL.

Text: Muzzey's American History. This is a review course for Teachers who feel that they need a more thorough knowledge of the essentials of the history of the United States. Social and economic factors in our history will be emphasized. Three sections.

Five single periods a week—two credits.

Room 21. 8:00 and 9:15 A.M.; Room 25, 9:15 A.M.

HISTORY IV. b.—*Formation of the Union*. PROF. PATTERSON.

Text: Hart's Essentials in American History. This course begins with the Albany Congress, and covers the period of the Revolution, the Revolutionary War, the Articles of Confederation, the critical period, the Federal Convention, the organiza-

tion of the new government, formation of political parties, War of 1812, protective system and nullification.

Fourth year Academic rank.

Four double periods a week—three credits.

Room 21. 11:30 A.M.

TENNESSEE HISTORY.

MR. HALL.

Text: McGee's History of Tennessee. This course is intended to meet the needs of those teachers who are preparing for examination in this subject.

Five single periods a week—no credit.

Room 25. 12:15 P.M.

CIVIL GOVERNMENT.

MR. HALL.

Text: Boynton's School Civics. This course will consist of a brief survey of the essentials in the workings of county, state and national government. The course will endeavor to show the evolution of the state and national constitutions.

Academic rank.

Five single periods a week—two credits.

Room 25. 11:30 A.M.

HISTORY III. b.—*The Tudor Period.*

MR. HALL.

Text: Walker's Essentials in English History. This course will embrace a study of the underlying principles of the Hundred Years' War, the War of the Roses, the Tudor and Stuart dynasties, with special stress on Elizabeth's reign.

Third year Academic rank.

Four double periods a week—three credits.

Room 25. 3:45 P.M.

HISTORY JUNIOR.—*Teachers' Course in American History.*

PROF. PATTERSON.

Text: Hinsdale's How to Study and Teach History. This course will embrace a discussion of the value and uses of source material, map work, influence of geography upon history, methods of teaching history in the grades, courses of study for various grades, uses of the text-book, the essentials of a good text-book in history, forces and movements in history, interpretation. Type lessons will be given as illustrations of methods of handling certain phases of our history.

Junior Normal rank.

Four double periods a week—three credits.

Room 21. 2:30 P.M.

SCIENCE.

LABORATORY EQUIPMENT.

The Normal School has well equipped laboratories for the

use of the different departments of science. The chemical and physical laboratories are situated at opposite ends of the main building, and each has for its exclusive use three large, well appointed rooms. Each has its own lecture room and two large rooms for general laboratory purposes. The rooms have been fitted up with necessary apparatus for the study of these sciences. Gas, hot and cold water and compressed air are furnished all the laboratories.

Besides the ordinary apparatus for students' use the physical laboratory is provided with such special pieces as Atwood's machine for falling bodies, an oil seal vacuum pump, a high grade barometer, optical disc, universal projectoscope, high grade spectroscope, Wimshurst electrostatic machine, milliammeter, milli-bolt meter, storage batteries, six-inch spark induction coil, vacuum tubes, apparatus for the X-ray, dynamo, motor, etc.

The chemical laboratory contains a complete ventilating system for the removal of noxious gases, distillation apparatus for an ample supply of pure water, acid proof desk top, complete sets of individual re-agent bottles, two high grade Becker analytical balances, Babcock milk testing outfit, apparatus for analysis of water, milk and other food products, and adequate chemical supplies for all courses offered.

The biological laboratory has been fitted up with tables for students' use, provided with compound microscopes, dissecting instruments, microtome, biological specimens, and all other apparatus and equipment needed in the operation of the laboratory.

The agricultural equipment consists of forty acres of land which is being prepared and used for experimental and demonstration plots, school gardens and a general farm scheme. Necessary implements for operating a general farm have been provided.

DEPARTMENT OF PHYSICS AND PHYSIOGRAPHY.

PROFESSOR MANNING.

Note.—The constantly increasing complexity of farm machinery and household appliances makes the knowledge of elementary physics well-nigh indispensable to the average man and woman.

PHYSICS III. a.—*Mechanics.*

Text: Millikan & Gale's A First Course in Physics. Only one course in Physics will be offered in the Summer School. This will probably be a course in Mechanics, the equivalent of Academic III a, given during the Fall term. It will consist of

lectures with demonstrations, recitations and laboratory work. The laboratory work will be kept parallel with the text-book work and lecture work. Three periods of five minutes each will be given to lecture and recitation, and two double periods of 150 minutes each will be given to laboratory work each week. It is expected that the course will cover the work outlined in the text as far as page 153. While it is expected that most of those who elect this course will have had Physics as it is given in the secondary school, the course is planned mainly for beginners.

A course in Magnetism and Electricity, the equivalent of Academic IIIb, may be given instead of the course in Mechanics, if those applying should prefer it, and if they are prepared for that course.

Laboratory fee—50 cents.

Five double periods a week—four credits.

Lecture (M., W., F.)—Room 7, 10:15 A.M.

Laboratory (Tu., Th.)—Room 11, 10:15 A.M., 3:45 P.M.

GEOGRAPHY.—*A Review Course.*

Text: Frye's Higher Geography. While this course is expected to present a rapid review of the subject-matter already learned in the common schools, it is important to note that this review will be given from the view-point of the teacher, emphasizing the logical sequence of the work and the method of presentation. Throughout the course it is expected that the subject be so presented as to show that geography is a knowledge of the earth as the home of man, furnishing the conditions and means of working and living in a world alive and progressing. Beginning with a consideration of home geography, or that of the child's experience, the class will pass rapidly to a study of the continents and world relations. As far as possible, the course will emphasize physiographic geography. The work will be illustrated with stereopticon views.

Five single periods a week—two credits.

Room. Chapel. 9:15 A.M.

GEOLOGY OF TENNESSEE.—*A Review Course for Teachers.*

Text: Safford & Killebrew's Geology of Tennessee. A study of earth forms and structures in the light of the causes that have produced them. While the course is, in a sense, general, the laws and principles are constantly applied in explaining the origin and development of the topographic forms and structural developments observed in Tennessee. The text of Safford and Killebrew will be used in connection with some good high school text that gives an up-to-date treatment of the subject.

Five single periods a week and field trips—two credits.

Room 7. 1:45 P.M.

DEPARTMENT OF CHEMISTRY.

PROF. WEBB.

CHEMISTRY IV. a.—*General Chemistry.*

Text: McPherson & Henderson's An Elementary Study of Chemistry, and Laboratory Manual. This course is identical with the beginning chemistry given in the autumn quarter. It comprises lectures, recitations and laboratory work. The course outlined embraces the subject-matter offered in the autumn quarter: the general nature of matter; atoms and molecules; the physical states of matter; gases, the gas laws, hydrogen, oxygen, nitrogen and compounds, atmosphere; liquids; the chemical and physical properties of solutions, electrolysis and ionization; solids, allotropic forms; elementary crystallography; the halogens; the halogen acids; sulphur.

Practical features will be emphasized; oxidation, fixation of nitrogen; solution, electrolysis, and crystallography.

Prerequisite—Physics, at least the subjects of mechanics and heat. Laboratory fee, \$1.00.

All students in the Summer School who expect to enter again after Christmas and take Chemistry should enter upon this course.

Fourth year, Academic rank.

Three double recitation periods a week, and two quadruple periods laboratory—four credits.

Lecture (M., W., F.)—Room 5. 2:30.

Laboratory (Tu., Th.)—Room 1. 2:30.

CHEMISTRY JUNIOR.—*Household Chemistry.*

Text: Allyn's Elementary Applied Chemistry. This course will consist of practical analyses of household material. Special emphasis will be placed on the hygienic tests which are necessary to safeguard the food supply of the Normal School dining hall. Among the subjects treated will be elementary soil and water analysis; detection of normal constituents and adulterants in vinegar, baking powder, milk, butter, ice cream, flavors and other food materials; the detection of preservatives in foods, especially in milk, meats and canned goods; a discussion of fraudulent drugs and patent medicines advertised in current periodicals.

Prerequisite—General Chemistry. Laboratory fee, 50 cents.

Junior Normal rank.

Four double periods a week—three credits.

Room 5. 3:45 P.M.

DEPARTMENT OF BIOLOGY.

PROF. BRIGHT, PROF. MANNING, MISS HERRON.

BIOLOGY II. a.—*General Biology.*

PROF. BRIGHT.

Text: Herrick's General Zoology. This course will cover the following subject-matter: the relation of the mineral to plants and animals, the growth of plants and animals, the function of organs, classification, struggle for existence, geographical distribution, and history of the science of biology. Laboratory work required.

Second year Academic rank.

Five double periods a week—four credits.

Room 4. 10:15 A.M.

BIOLOGY IV. a.—*Applied Biology.*

PROF. BRIGHT.

Text: Bigelow. This course is intended for high school teachers of biology and is open to students who have had as much as one term of elementary biology. It will deal with the structure and life of the plant and animal, the principles of biology as illustrated by the plant and animal, and those principles as applied to human structures and life. Laboratory work required.

Fourth year Academic rank.

Four double periods a week—three credits.

Room 4. 1:00 P.M.

BIOLOGY JUNIOR. a.—*Nature Study.*

MISS. HERRON.

Text: Hodge's Nature Study and Life. This is a course in Nature Study for primary and intermediate grades. It suggests how to use nature study as a content subject for early expression work; how to correlate nature study with other work in the school room. It offers special methods for the study of birds and insects.

Junior Normal rank.

Four double periods a week—three credits.

Room 33. 1:00 P.M.

BIOLOGY IV. c.—*Physiology and Sanitation.* PROF. MANNING.

Text: Davison's Advanced Physiology. This is a review course for teachers. It is expected that most of those who register for it will have had the work as is ordinarily given in elementary schools. Anatomy and physiology of the bones, muscles, nerves, organs of respiration, organs of digestion will be given in considerable detail; but the course will seek especially to emphasize the fundamental facts of immunology and sanitation. Certain type diseases, for example, tuberculosis and typhoid fever will be studied in detail, not only for the purpose of showing their causes, the organism involved, and the means of their cure or prevention, but that such a study

may serve as a basis for a proper conception of the principles of the preventive hygiene of transmissible diseases. The contagious diseases of the school child, their prompt recognition, and methods for their restriction will also be emphasized. It is hoped that the student may in some degree be prepared to take the place of the medical inspector where the school has no such official, and that he may become an efficient missionary in the spread of the gospel of preventive hygiene. A limited amount of laboratory work and microscopic projection will be given.

Fourth year Academic rank.

Five double periods a week—four credits.

Room 7. 8:00 A.M.

DEPARTMENT OF AGRICULTURE.

PROF. BRIGHT.

AGRICULTURE I. a.—*Elementary Agriculture.*

Text: Duggar's Agriculture for Southern Schools. This course will cover the following topics: the soil, soil improvement, rotation of crops, fertilization of the soil, liming, green manuring and tillage. Attention will be paid to community agriculture club work such as boys' corn clubs, girls' tomato clubs, etc.

First year Academic rank.

Five double periods a week—four credits.

Room 4. 2:30 P.M.

AGRICULTURE IV. a.—*Advanced Agriculture.*

Text: Washburn and Warburton. This course is designed for those students who expect to teach agriculture in the consolidated and high schools of the State. It will give a general survey of the entire subject with special attention to the teaching of it.

Fourth year Academic rank.

Four double periods a week—three credits.

Room 4. 3:45 P.M.

DEPARTMENT OF HOME ECONOMICS.

MISS BUQUO, MISS DODD, MR. WEBB.

HOME ECONOMICS I. a.—*Elementary Sewing.* MISS DODD.

Text: Gibbs' Textiles. A series of lessons dealing with hand sewing, the making of various stitches, and the study of fibres.

NOTE—A small fee will be charged for cost of materials used.

Equivalent to the first term of first year Academic.
Five double and five single periods a week—three credits.
Room 6. 11:30 A.M.

HOME ECONOMICS II. a.—*Elementary Cookery*. Miss DODD.

Text: Williams and Fisher's Elements of Theory and Practice of Cooking. A series of lessons dealing with food production, food composition, and preparation of type dishes. Emphasis will be placed on the pedagogical side, the work being planned for teachers who wish to adapt it for the grades.

NOTE—Class limited to twenty-eight. Fee \$1.50.

Equivalent to first term of second year Academic.

Five double and five single periods a week—three credits.
Room 8. 2:30 P.M.

HOME ECONOMICS IV. a.—*Advanced Cookery*. Miss BUQUO.

This course will be planned largely to suit the demands of the class, and will deal with some special phase of cookery as home cookery and table service.

NOTE—Class limited to twenty-eight. Fee \$1.50.

Equivalent to one term of fourth year Academic rank.

Five double and five single periods a week.
Room 8. 9:15 A.M.

HOME ECONOMICS JUNIOR. c.—*Home, Health and Household Sanitation*. Miss BUQUO.

Discussion of hygiene and sanitation, with reference to the family. Special emphasis on the care of the sick and feeding of children.

Equivalent to one term of Junior Normal.

Five double periods a week—three credits.
Room 8. 11:30 A.M.

CHEMISTRY II. s.—*Household Chemistry Tests*. PROF. WEBB.

No text-book required. This course will be carried on in the closest collaboration with the cooking course offered in the department of Domestic Science. As the sources and uses of food materials are discussed in the cooking classes, the chemical nature of these same substances will be considered in this course, and the chemical reactions involved in the cooking operations, the detection of adulterations, and very elementary methods of analysis will be demonstrated. The course will include recitations, demonstrations and laboratory work.

This course is in no sense the equivalent of a quarter's work in General Chemistry, nor is it the equivalent of courses in Household Chemistry offered in the regular term. Its principal purpose is to assist the department of Domestic Science

to cover the required ground during the intensive work of the Summer Term.

Three double periods a week—two credits.

Room 5. 10:15 A.M.

DEPARTMENT OF LATIN.

MISS JOHNSON.

LATIN I. a.—*Beginning Latin.*

Text: Pearson's Essentials of Latin. This course is designed for those who have never studied Latin or who wish a thorough review of the subject. About one-third of the text-book will be covered.

First year Academic rank.

Five double periods a week—four credits.

Room 37. 10:15 A.M.

LATIN II. b.—*Caesar.*

Texts: Bennett's Caesar, Bennett's Latin Grammar, Allen and Phillip's Latin Composition. This course is open to all who have a fair knowledge of the fundamental principles of language, and through recent review, a sufficient familiarity with the forms to make connected reading possible. At least one book of Caesar will be read.

Second year Academic rank.

Five double periods a week—four credits.

Room 37. 2:30 P.M.

LATIN JUNIOR.—*Teachers' Course in High School Latin.*

Text: Any Latin Grammar and any good text of Caesar and Cicero. This course pre-supposes a thorough four years' course in Latin, and is designed especially for teachers who may not have presented the subject before, or who wish to go more thoroughly into the study of presentation. Fundamental principles of the language will be carefully reviewed, general problems of interest relating to the subject will be discussed, and the psychology of the study outlined.

Junior Normal rank.

Five single periods a week—two credits.

Room 37. 11:30 A.M.

DEPARTMENT OF MODERN LANGUAGES.

MISS MARY PETTUS THOMAS.

GERMAN III. a.—*Beginners' German.*

Texts: Wesselhoeft's Elementary Grammar, Wenckebach's "Gluck Auf."

Third year Academic rank.
Five double periods a week—four credits.
Room 23. 2:30 P.M.

FRENCH III. a.—*Beginners' French.*

Texts: Chardenal's Grammar, Bruce's Lectures Faciles.
Third year Academic rank.
Five double periods a week—four credits.
Room 23. 3:45 P.M.

FRENCH IV. a.—*Advanced French.*

Texts: Grammar, Talbot's Le Francais et La Patrie, Francois Prose Composition.
Fourth year Academic rank.
Four single periods a week—two credits.
Room 23. 1:45 P.M.

SPANISH IV. a.—*Beginners' Spanish.*

Texts: Hill & Ford's Grammar, Worman's First Spanish Book.

Fourth year Academic rank.
Four single periods a week—two credits.
Room 23. 1:45 P.M.

NOTE—Either the course in Spanish or Advanced French will be given, but not both, the demand to determine.

DEPARTMENT OF INDUSTRIAL ARTS.

PROF. WILSON.

MANUAL TRAINING II. a.—*Elementary Woodwork.* Two Sections.

Text: King's Elements of Woodwork, Loose Leaf Note Book.
This course will include a study of (1) the use and care of all the ordinary bench tools; (2) the structure and uses of our common woods; (3) the composition and use of wood finishes; (4) the principles of working drawings and blue-prints. In the course of the term's work at least four woodworking problems of practical value will be constructed by each pupil following drawings made in class.

Three double periods a week—two credits.
Room 23. 10:15 A.M. and 2:30 P.M.

MANUAL TRAINING IV. a.—*Mechanical Drawing.*

Text: Mechanical Drawing, Mathewson's Necessary Supplies.
(1) Text; (2) Looseleaf Notebook; (3) Twelve-inch draughtsman's scale; (4) Hard and soft pencils; (5) Pencil compass; (6) Lining pen; (7) Bottle India ink.
Three double periods a week—two credits.

This course includes: (1) Lettering; (2) making of working sketches from models; (3) study of projection and relation of views; (4) isometric projection; (5) working drawings of floor plans and house details; (6) tracings and blue-prints.

Three double periods a week—two credits.

Room 2. 3:45 P.M.

MANUAL TRAINING III. a.—*Advanced Woodwork.*

Text: King's Elements of Construction, Looseleaf Notebook.

This course is offered for those who have a working knowledge of ordinary carpenters' tools. It includes the following: (1) names and principles of all common joints; (2) construction of small models, using type forms of joining; (3) designing several pieces of furniture or apparatus involving joints; (4) construction of one or more problems in furniture; (5) a study of possibilities of manual training work in high schools.

Three double periods a week—two credits.

Room 2. 8:00 A.M.

DEPARTMENT OF MUSIC.

PROF. WALLERSTEIN.

MUSIC I. a.—*Elementary Course.*

This course is designed for those who have had no previous musical instruction. The following subjects will be studied in progressive order, each occupying one week.

Simplest methods of learning musical notation; ear training; time and rhythm; the vocal organs, tone production, breathing; intervals, scales; rote songs, sight reading.

First year Academic rank.

Five single periods a week—two credits.

Room 22. 8:00 A.M.

MUSIC II.—*Intermediate Course.*

One week's review of elementary course, five weeks' study as follows: Ear training, sight reading, vocal training, time beating, two part chorus singing.

Academic rank.

Five periods a week—two credits.

Room 22. 9:15 A.M.

MUSIC III.—*Advanced Course.*

Advanced Chorus singing (three and four part), methods applied in public school teaching; musical notation; harmony (the common chord with its inversions); musical history and analysis; conducting of classes (practical demonstration).

Choral and Orchestral classes open to all who can read at sight.

Room 22. 3:45 P.M.

COMMERCIAL DEPARTMENT.

PROF. WATTERS.

NOTE—Secondary and high school teachers will find it to their advantage to take work in the commercial department during the summer school. It will enable them to offer these courses in their schools and thereby induce a number of students to remain in school and finish the regular high school course.

ELEMENTARY BOOKKEEPING.

Text: Twentieth Century Bookkeeping, Part I. This course covers the elementary principles of bookkeeping and is especially designed to prepare students to teach in the elementary school, and also for our advanced courses. Individual instruction is given and no study is required outside of the classroom.

Second year Academic rank.

Five double periods a week—two credits.

Room 40.

ADVANCED BOOKKEEPING.

Text: Twentieth Century Bookkeeping, Parts II and III. This course is open only to those who have completed an elementary course, and is especially designed to prepare students for the high school examination, which will be held at the Normal School at the close of the summer term. Individual instruction is given and no study outside of the classroom is required.

Third year Academic rank.

Five double periods a week—two credits.

Room 40.

SHORTHAND REVIEW.

Text: Gregg Manual. This course is open only to students who have had previous knowledge of Gregg Shorthand, and is designed to prepare students for the State High School examination.

Third year Academic rank.

Five single periods a week—two credits.

Room 40.

TYPEWRITING.

Text: Rational Typewriting. Teachers will find this course especially attractive, as it will enable them to prepare work for classes much more easily, quickly and attractively, and therefore get much better results and win a higher esteem from their pupils. The instruction is individual and requires no study outside of the classroom.

Third year Academic rank.

Five single periods a week—two credits.

Room 40.

COMMERCIAL LAW.

This course is preparatory to the State High School examination and contains very valuable information which every teacher should know.

Fourth year Academic rank.

Five single periods a week—two credits.

Room 40.

DRAWING AND WRITING.

MISS McCORMACK.

DRAWING I.—*Construction Work for Primary Grades.*

The aims and methods of art education will be discussed in this course, also relation of art work to every day life. Practical problems in paper cutting, free-hand drawing, raffia, and other forms of construction work that may be carried out in the school room with simple equipment will be studied.

First year Academic rank.

Five single periods a week—two credits.

Room 44. 9:15 A.M.

DRAWING II.—*Drawing for Intermediate Grades.*

Free-hand drawing, composition and flowers, still life and landscape, blackboard drawing and basketry.

First year Academic rank.

Five single periods a week—two credits.

Room 44. 11:30 A.M.

DRAWING III.—*Design and Perspective.*

The principles of perspective are developed through experiment and observation. These principles are applied in the sketching of objects, interiors, and later in landscape composition. Design is studied to give a general knowledge of composition. The designing of wall paper and carpet patterns will be studied and also advanced reed and raffia work.

Second year Academic rank.

Five single periods a week—two credits.

Room 44. 8:30 A.M.

PENMANSHIP.

The object of this course is to teach a rapid, plain, unshaded, muscular movement writing. The methods employed in teaching penmanship in grammar grades will be freely discussed.

Five single periods a week—no credit.

Room 46. 12:15 P.M.

NOTE—A fee of 1.00 to pay for material used will be charged all students in drawing classes.

GENERAL INFORMATION.

The Southern Railway has a depot, called NORMAL, located on the school grounds. Pupils should, if possible, when leaving home, buy tickets and check baggage to NORMAL. If this cannot be done, then upon arrival at New Union Station, Memphis, buy ticket and check baggage to NORMAL. Pupils who come on the Illinois Central will transfer to New Union Station and then buy ticket and check baggage as above. Then take street car and transfer to Normal School line. This will bring you direct to the school and save an expensive transfer.

POSTOFFICE

A branch of the Memphis Postoffice has been established in Prescott Flats just across from the campus. It affords the students and school authorities every postoffice convenience. Mail should be addressed to Memphis, Tennessee, care West Tennessee Normal School.

LOCATION AND BUILDINGS.

The site of the West Tennessee State Normal is near Buntyn, about six miles from Main Street, Memphis. It is on the Southern Railway, and connects with the city by a regular street car line. The Southern Railway has a depot called Normal on the ground, with telegraph and express offices.

The main building is an imposing structure three hundred and thirty-eight feet long and about one hundred and eighty feet wide. The entire lower floor is devoted to Physics and Chemistry laboratories, the Department of Domestic Science and Home Economics and Manual Training. The main Academic Hall contains, in addition to the spacious auditorium, fifty large, airy, well-lighted rooms for class instruction. We feel justified in saying that this is the finest school building in the South.

The ladies' dormitory is a magnificent, absolutely fireproof building, containing one hundred and ten rooms. Wide verandas, hallways, parlors and reception rooms give the surroundings a homelike appearance. In each room are a lavatory with running water, electric lights, steam heat, two spacious closets, shades, rugs, table, dresser, chairs, two single beds, mattresses and springs. The building is equipped with thirty-six elegant bathrooms with tile floors and marble wainscoting. Only two girls occupy a room during regular terms. The building contains, in addition to the living rooms, special quarters for the matron and housekeeper, a splendidly equipped infirmary, dining room, kitchen and storage rooms.

The young men will be assigned rooms in Prescott Flats and Messick School.

EQUIPMENT.

More than twenty-five thousand dollars has been spent in laboratory equipment. The physics, chemistry and biology departments are furnished with all apparatus necessary for each pupil to conduct individual experiments. This apparatus is all of the latest type, most of it being imported from Germany. Thirty cook ranges and twenty sewing machines have been installed in the Home Economics Department. The Manual Training Department has been equipped with all tools and materials necessary for properly teaching the Industrial Arts. Arrangements have been made for an excellent working laboratory for the investigation of scientific agriculture. At an early date an experiment station will be established for the study of animal husbandry, horticulture, poultry raising, etc. The Bookkeeping Department has been installed in ample quarters and provided with typewriters and all appliances necessary for instruction in accounting, with special reference to rural conditions. Special attention is given in the Commercial Department to stenography and typewriting. Messick School, a suburban school, has been set aside as the pedagogical laboratory. Here pupils observe teaching in the elementary school branches conducted by experts. Only the seniors will be permitted to do practice teaching. The student will have access to the library of several hundred well-chosen books.

GENERAL REGULATIONS AND SUGGESTIONS.

Students must comply cheerfully with these and any other regulations made by the Faculty.

Pupils should not keep money in their rooms. They should deposit their money with the Bursar, who in turn will deposit same in a Memphis bank. They may check on the Bursar for small amounts when needed. Pupils will be encouraged to be economical.

Pupils should notify the President before arrival, so rooms may be reserved for them. Efforts should be made to arrive in Memphis in the daytime. A member of the Faculty will meet new students at the station if the exact time of the arrival of train is given. The Normal School street car, leaving Main and Madison Avenue every thirty minutes, will take pupils to the Normal building. Baggage should be checked plainly, care of West Tennessee State Normal School, Normal, via Memphis, Tenn.

Unless excused by the President, students must be present at all general exercises of the school. They must present in writing to the teacher the cause of absence at any recitation.

No student shall discontinue a study except for good cause,

of which the department teacher, head of the department, and the President shall be the judges.

Students leaving school without completing their studies and without taking final examinations will receive no credit for work done. Upon re-entering the school they must take examinations on the studies not completed before they can pursue work of a higher rank.

Girls must not leave the grounds without the consent of the matron. Girls must not receive company on school days. Certain times will be set aside for the social affairs, and students must conform to these regulations.

Athletic teams must not lose time from school in making athletic trips.

Pupils are urged to enter school at the beginning of the term. If they enter after work has progressed to any considerable extent they are placed at a great disadvantage.

All pupils are urged to attend the church of their choice at least once each Sunday. Many of the churches of the city are within walking distance of the school, and all may be reached in a short time by street car.

Pupils upon reaching school should report at once to the office, where they will be furnished with proper blanks for registration. The Faculty will gladly assist students in making out registration and schedule cards.

All heavy furniture needed in the rooms is furnished by the school. Single beds are used exclusively. Pupils furnish their own pillows, bed linen and bed cover.

HEALTH.

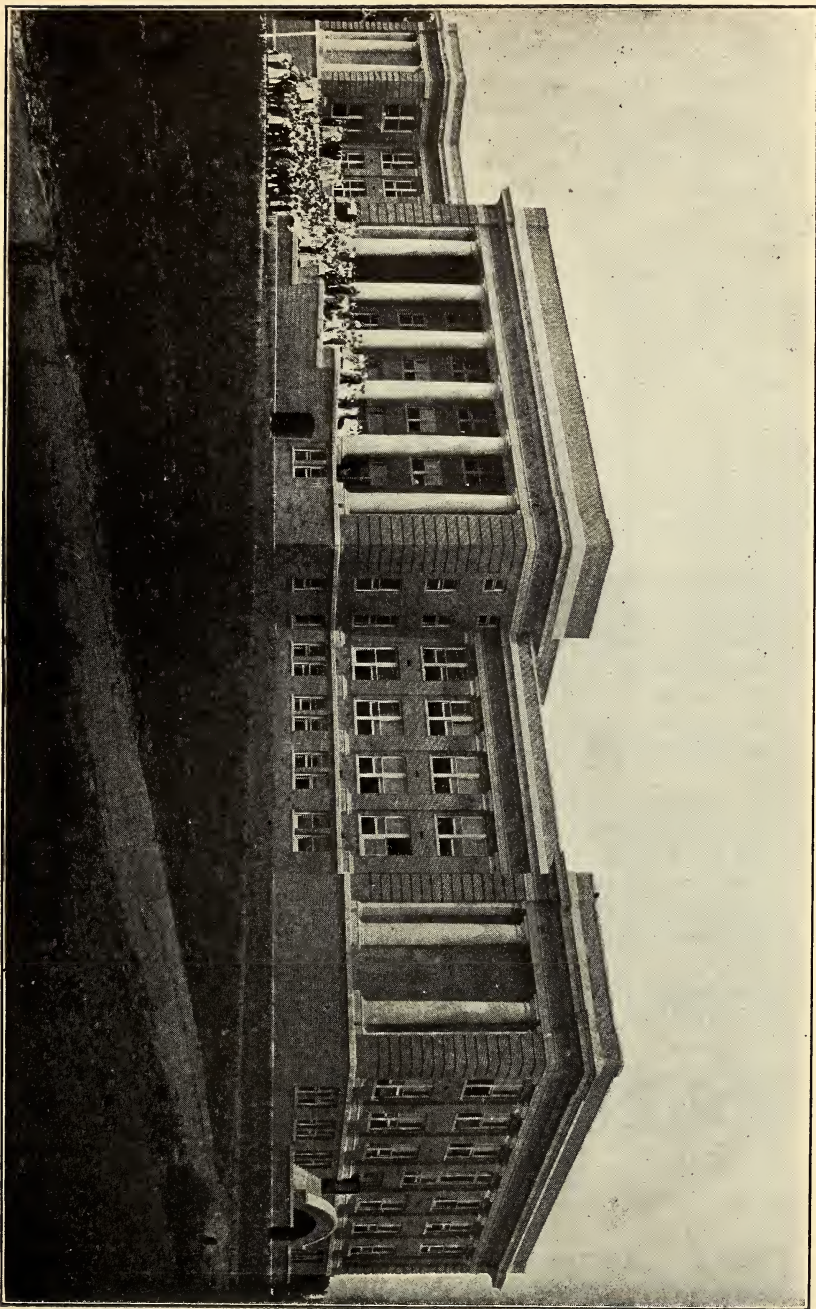
The health of the Normal School students during the two years of its existence has been exceptionally good. No serious illness has occurred, and none due to local causes. Every attention is paid to sanitary conditions about the school buildings and grounds, and precaution is taken to guard the health of all in attendance.

The water supply is pure and healthful, as is indicated by the analysis submitted below:

HYGIENIC ANALYSIS OF THE WATER SUPPLY OF THE WEST TENNESSEE STATE NORMAL, JANUARY, 1914.

The water used for all purposes by the West Tennessee State Normal comes from an artesian well bored to a depth of 450 feet, and is pumped daily into a large storage tank.

A geological study of West Tennessee shows the source of this water to be the rainfall in that area of the State between Collierville and Grand Junction. After percolating through twenty-five to fifty miles of sand, it reaches wells which pierce the water-



MAIN BUILDING



bearing stratum at a depth of from 250 to 750 feet below the surface of Memphis. Wells shallower than this receive only the rainfall of their immediate vicinity. (United States Geological Survey, Water Supply Paper No. 164.) That this enormous "filter bed" thoroughly purifies the water is evidenced by the following analysis, carried out in the laboratory of the Normal School:

PHYSICAL PROPERTIES. *Temperature, Color, Etc.* The water comes from the well at a temperature of 62 to 63 degrees Fahrenheit, and when drawn from the faucets is often slightly turbid. This turbidity is due to the presence of iron in the form of ferrous hydrogen carbonate, which, due to the release of pressure, and exposure to the air, precipitates brown iron hydroxide. The water is odorless, but with a distinct taste of iron.

CHEMICAL COMPOSITION. Its principal constituents are present in the following proportions:

Total Solids: Filtered water. 84.5 parts per million

Alkalinity: Due to sodium carbonate. . 44.5 parts per million

Temporary Hardness: Due to iron bicarbonate 4.45 parts per million

Oxygen Consumption: By the use of a suitable re-agent (potassium permanganate) the organic matter in water will be oxidized. The measurement of the amount of oxygen required is an indication of the amount of pollution, if any. The water examined required from .71 to .72 parts of oxygen per million—a very small amount. A figure of three times this value is hygienically acceptable.

Ammonia. Another indication of pollution is the presence of large amounts of "free ammonia" from decayed substances, and of "albuminoid ammonia" from undecomposed animal matter.

Free ammonia 0.175 parts per million

Albuminoid ammonia 0.1 parts per million

Contamination is only proved by amounts of ammonia many times larger than exist in these samples.

Iron: In the form of iron bicarbonate. . 4.46 parts per million

Other constituents of little hygienic importance are found as follows:

Sulfates 1.24 parts per million

Sodium chloride 4.68 parts per million

Calcium and magnesium small amounts.

Carbonic acid, free trace.

Silica trace.

Nitrates, nitrites, lead, sulfur, or deleterious substances none.

Bacteriological Examination. A sample of the water was submitted to Mr. P. W. Holtzendorf, City Bacteriologist of Memphis, and the following report received:

Organisms per c.c. developing on plain agar in 48 hours'
incubation at 37 degrees Centigrade. 2
Gas producing organisms in 5 c.c. of water. none

Remarks: Bacteriologically pure water.

The conclusions reached regarding this water are that there are
no sources of pollution, and the water is pure and healthful.

Analysis and report made by H. A. WEBB,
Department of Chemistry, West Tennessee State Normal.

Time	Barrett	Cummings	Herron	Johnson	Vaughan	Bonner	Bartlett	Thomas	Patterson	Hall	Loggins	Williams	Manning	Webb	Bright	Buquo	Dodd	Wallerstein	McCormack	Watters	Wilson
7-30 8-00																		Music I a.		Commercial Work.	Edn. of Chr. Et.
8-00 8-15		Ed. Jr. b.	Stories etc.		Eng. Jr.		Eng. III b.		U. S. Hist	U. S. Hist	Math. II b.		Biol IV c.			H. Ec. IV. w.		Music II	Draw. III		Man. Jr. III a. M. W. B.
9-15 10-00													Geog.						Draw. I		Edn. of Chr. Et. H. S.

[illegible]

CALENDAR.

SUMMER TERM, 1914.

June 8, Monday—Registration and classification.

June 9, Tuesday—Classwork begins.

July 4, Saturday—Independence Day.

July 16, 17—State examinations.

July 17, Friday—Summer Term ends.

For any other information address

J. W. BRISTER, President,
Memphis, Tenn.



